

2103

# EPA

U.S. EPA Region II  
290 Broadway  
New York, NY 10007

## RST2 Technical Direction Document

Core Response Team for Year 3 (0009)  
Weston Solutions, Inc.

TDD #: TO-0009-0098  
Contract: EP-W-06-072

! = required field

<b>TDD Name:</b> Cornell-Dubilier Electronics		<b>! Period:</b> Base Period
<b>! Purpose:</b> TDD Initiation		
<b>! Priority:</b> High	<b>! Start Date:</b> 10/07/2008	
<b>Overtime:</b> Yes	<b>! Completion Date:</b> 11/30/2008	
<b>! Funding Category:</b> CERCLA Removal	<b>Invoice Unit:</b>	
<b>! Project/Site Name:</b> Cornell-Dubilier Electronics		
<b>Project Address:</b> 333 Hamilton Boulevard	<b>Activity:</b>	
<b>County:</b> Middlesex	<b>Work Area Code:</b>	
<b>City, State:</b> South Plainfield, New Jersey	<b>Activity Code:</b> RV	
<b>Zip:</b> 07080	<b>EMERGENCY CODE:</b> <input type="checkbox"/> KAT <input type="checkbox"/> RIT	
<b>! SSID:</b> GZ	<b>FPN:</b>	
<b>CERCLIS:</b> NJD981557879	<b>Performance Based:</b> No	
<b>Operable Unit:</b>		
<b>Authorized TDD Ceiling:</b>	<b>Cost/Fee</b>	<b>LOE (Hours)</b>
Previous Action(s):	\$0.00	0.0
This Action:	\$0.00	280.0
New Total:	\$0.00	280.0

### Specific Elements

#### Description of Work:

The Cornell-Dubilier Electronics, Inc. ("CDE") Site is located at 333 Hamilton Boulevard, South Plainfield, Middlesex County, New Jersey. The former CDE facility consists of approximately 26 acres that formerly contained 18 buildings. The fenced 26-acre facility is bounded on the northeast by the Bound Brook and the former Lehigh Valley Railroad, Perth Amboy Branch (presently Conrail); on the southeast by the Bound Brook and a property used by the South Plainfield Department of Public Works; on the southwest, across Spicer Avenue, by single-family residential properties; on the northwest, across Hamilton Boulevard, by mixed residential and commercial properties; and to the south by a wetlands area.

Prior to 1936, Spicer Manufacturing Corp., a predecessor to Dana Corporation, owned and operated the facility. Spicer Manufacturing Corp. ceased operations in South Plainfield in 1929 and, beginning in 1936, leased the property to CDE. CDE operated at the facility from 1936 to 1962, manufacturing electronic components including, in particular, capacitors. Polychlorinated biphenyls ("PCBs") and chlorinated organic solvents were used in the manufacturing process, and the company apparently disposed of PCB-contaminated materials and other hazardous

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substances directly on the facility soils. CDEs activities evidently led to widespread chemical contamination at the facility, as well as migration of contaminants to areas nearby the facility. PCBs have been detected in the groundwater, soils and in building interiors at the industrial park, at adjacent residential, commercial, and municipal properties, and in the surface water and sediments of the Bound Brook. High levels of volatile organic compounds (VOCs) have been found in the facility soils and in groundwater. Since CDEs departure from the facility in 1962, it has been operated as a rental property, with over 100 commercial and industrial companies operating at the facility as tenants. Some of these tenants may have contributed to some Site contamination, but the PCB and VOC contamination appears to be primarily attributable to CDEs operation.

Capacitors, many containing PCBs, were dumped in large numbers at the site, and capacitor debris has been found in the Bound Brook since the site was first identified. Recent erosion of a portion of the stream bank near the industrial park may have led to a spike in the amount of capacitor debris in the Brook.

Periodic inspections of the Bound Brook adjacent to the former CDE facility have identified an occasional capacitor. These capacitors are believed to have been displaced due to erosion. In December 2007, EPA collected additional sediment samples in the Bound Brook adjacent to the former CDE facility. Results indicate that PCB concentrations have increased in some areas of the Bound Brook. EPA's observations of occasional capacitors on the banks of the Brook and review of recent sediment analytical data warrants further action by EPA.

The removal action planned to begin on October 14, 2008 is an interim action that will armor the banks of the Bound Brook in the area of the three culverts and along the wetlands that border the historical CDE disposal area. The objective is to eliminate direct contact with PCB-contaminated debris and prevent its migration from the banks along the perimeter of the former CDE facility property. The following actions are proposed to stabilize the banks to prevent the release of PCB-contaminated debris due to erosion:

- Vegetation will be cleared from the banks of the Bound Brook in the area of the three culverts and on the southern bank of the facility property along the edge of the wetlands area. Approximately 15,000 to 20,000 ft<sup>2</sup> of area will be cleared of vegetation.
- Geotextile fabric will be installed over the soil in the cleared area to prevent erosion. The barrier will be installed on the banks of the Bound Brook in Reach 1, from near the railway siding and three culverts to approximately 140 feet downstream of the culverts in the tongue area and north bank and for approximately 500 feet upstream of the culverts along the southern bank of the former CDE facility property that borders the wetlands area.
- Rip-rap will be installed over the geotextile fabric to armor the banks of the Bound Brook and to secure the geotextile fabric ("revetment installation").
- A dust monitoring/control program will be initiated during all site activities. All cleared vegetation will be chipped on-site and spread on the temporary roadways.

## DESCRIPTION OF WORK:

In accordance with the Response Section in the SOW, RST shall provide removal action support. The contractor shall perform the following activities:

- 1) Provide **1 Environmental Specialist** with Level **(C)** capability; prior to mobilization, contact the OSC to discuss site logistics, basic plan, and confirm meeting on-site on October 14, 2008. Field work will be for approximately 7 weeks. RST will be responsible for the following:
  - Document on-site activities and maintain site log. Include amount of time each activity (i.e., clearing and grubbing, placement of revetment, chipping of materials, grading of soil) was performed each day. Document weather conditions & stream flow conditions.
  - Perform Digital Photo-documentation of site operations. Provide OSC electronic files with photos and captions discussing the activity depicted in the photo at the end of each week. Date and time stamp all photos.
  - Perform daily dust monitoring during ERRS activities and provide OSC with tabulated results (EPA will provide Data-Rams).
  - Perform set-up of SKC sampling pumps and air sample collection daily (pumps/cartridges to be provided by EPA).
  - Generation of daily updates on activities and generation of a site Chronology of events.

Please be prepared for these activities to begin on site on October 14, 2008. RST to be on site at 07:00.

- 2) Develop a **Quality Assurance Project Plan ("QAPP")** for the bank stabilization activities. Draft QAPP to be forwarded to OSC the morning of **October 14, 2008** for review. RST to perform revisions to QAPP as requested by OSC.

ERRS activities the week of October 20, 2008 will be limited and Site hours will be 07:00 a.m. to 3:30 p.m. that week. RST is expected to work on generation of the Administrative Record during the week of October 20, 2008 at the site.

- **Equipment Requirements :**
- Bring sufficient amount of PPE (Tyvek, booties, gloves, etc..).

## **Accounting and Appropriation Information**

										SFO:
Line	DCN	IFMS	Budget/ FY	Appropriation Code	Budget Org Code	Program Element	Object Class	Site Project	Cost Org Code	Amount
	H0000	QJW								\$0.00

Funding Summary:		Funding
Previous:		\$0.00
This Action:		\$0.00
Total:		\$0.00

**Funding Category**  
CERCLA/Removal

**Section**

: Keams/Harkay

Date: 10/07/2008

**Project Officer Section - Signed by Norman Vogelsang/R2/USEPA/US on 10/09/2008 07:25:32 AM, according to**

**Project Officer: Norman Vogelsang**

Date: 10/07/2008

**Contracting Officer Section - Signed by Anthony Tao/R2/USEPA/US on 10/07/2008 03:14:08 PM, according to**

**Contracting Officer: Anthony Tao**

Date: 10/07/2008

**Contractor Section - Signed by Jennifer Sy/rfw-start/us on 10/09/2008 12:31:45 PM, according to /rfw-**

**Contractor Contact: Jennifer Sy**

Date: 10/09/2008

PM: Foster  
QC: Busdra

## TDD FILE CHECKLIST

PROJECT NAME: Cornell-Subsidence Election TDD#: TD-0009-0098LEAD RST 2 MEMBER: Foster/Bushra TASK#: 2103

REQUIRED (Y/N)	ITEM	DATE ENTERED
Y	TDD FORM	10-9-08
	TDD AMENDMENTS	
Y	DRAFT AOC	
Y	FINAL AOC	
Y	H & S PLAN/WAIVER	
	TRIP REPORT	
	LOG BOOK COPIES	
	SAMPLING PLAN	
	ANALYTICAL DATA	
	SITE PHOTOGRAPHS/VIDEO	
	MAPS	
	OTHER	
	OTHER	
	OTHER	
	OTHER	
	OTHER	
	OTHER	

Comments: \_\_\_\_\_

Final file inspected by: \_\_\_\_\_ Date: \_\_\_\_\_



SAFETY PLAN WAIVER FORM  
(TO BE INCLUDED IN TDD FILE)

TO: FILE

TASK ORDER #: 0009

TDD#: 0098

TASK #: 2103

DESCRIPTION: Cornell Dubilier Electronics

DATE OF ISSUE: 10/9/08

RST 2 MEMBER(S) ASSIGNED: M Foster

THE ABOVE REFERENCED TDD# DOES NOT REQUIRE A SAFETY PLAN DUE TO THE FOLLOWING REASONS: (CHECK ALL THAT APPLY)

NO SITE VISIT WAS REQUIRED UNDER THE TASK DESCRIPTION OF THIS TDD BECAUSE:

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FIRST RESPONSE COURSE

\_\_\_\_\_

ADMINISTRATIVE TASK/ADMINISTRATIVE RECORD

\_\_\_\_\_

TRAINING COURSE

\_\_\_\_\_

CONFERENCE

\_\_\_\_\_

COST ESTIMATE FOR THE SITE

\_\_\_\_\_

QA/QC REVIEW OF ANALYTICAL DATA

\_\_\_\_\_

OTHER, SPECIFY HASP 0007-015

ASSIGNED RST 2 SIGNATURE: Joy for M. Foster DATE: 3/9/09

RST 2 HSO APPROVAL: Joy DATE: 3/9/09